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of the new roof of the Museum. New cases have now been ordered, which will enable us to rearrange the specimens during the coming year. Meanwhile work has been continued upon such parts of the collection as were accessible.

Large accessions have been received from numerous correspondents of the Curator. A list of these gifts may be found in the accessions to the Museum. The largest single accession has been the collection of Hawaiian land snails purchased from Dr. John T. Gulick. This series served as the basis of that author's important studies on evolution, as well as his systematic papers on the Hawaiian fauna. Mr. H. Bloomfield Moore has contributed largely to our series of small land mollusks of Georgia and Florida by gatherings of leaves and humus, from which large numbers of shells have been picked by Mr. Vanatta.

The Special Curator has been occupied chiefly with the preparation of the *MANUAL OF CONCHOLOGY*, the monograph of the family *Achatinidae* being completed this year, and the collections of this group revised and relabelled. Studies of American and Japanese mollusks have also been continued. The months of October and November were spent in Arizona and New Mexico, chiefly in the Grand Canyon of the Colorado, the Florida and Chiricahua Mountains, and large collections of the mollusca of these regions were obtained.

Mr. E. G. Vanatta has continued his efficient work as Assistant in the department throughout the year.

H. A. PILSBRY,  
*Special Curator.*

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## REPORTS OF THE SECTIONS.

### THE BIOLOGICAL AND MICROSCOPICAL SECTION.

The Section has held nine stated and several informal meetings with the usual attendance.

The donations reported by the Conservator are as follows: One Zentmayer histological microscope with three objectives; one Fiddian and one Acme microscope lamp; about 400 slides, including two Möller type plates and an arranged monogram mount by Thum; about twenty-five books, including Van Heurck's *Diatoms of Belgium*, the *Micrographic Dictionary*, and a lot of unmounted material and mounting apparatus. All the above are from the collection of the late John C. Wilson, presented by Miss Maria S. Wilson.

Five slides of marine invertebrates, collected by Dr. Chapman and mounted by the Conservator.

At the regular meetings numerous communications have been made by the members on such subjects as rock inclusions, Diatoms, Myxomycetes and Bacteria.

There has been a slight increase in membership.

The officers elected for the year 1907 are as follows:

<i>Director,</i>	.	.	.	.	J. Cheston Morris, M.D.
<i>Vice-Director,</i>	.	.	.	.	T. Chalkley Palmer,
<i>Treasurer,</i>	.	.	.	.	Thomas S. Stewart, M.D.
<i>Recorder,</i>	.	.	.	.	Charles S. Boyer.
<i>Conservator,</i>	.	.	.	.	F. J. Keeley.
<i>Corresponding Secretary,</i>	.	.	.	.	Silas L. Schumo.

CHARLES S. BOYER,  
*Recorder.*

#### MINERALOGICAL AND GEOLOGICAL SECTION.

Nine meetings of the Mineralogical and Geological Section were held during the year with a fair attendance, and the finances of the Section are in good condition. Seven excursions were made to interesting localities and proved to be enjoyable to all who participated in them, as well as an agreeable method of study and recreation. There was an average attendance on these occasions of about 30.

At the annual meeting held December 17, 1906, the following officers were elected:

<i>Director,</i>	.	.	.	.	Benjamin Smith Lyman.
<i>Vice-Director,</i>	.	.	.	.	George Vaux, Jr.
<i>Treasurer,</i>	.	.	.	.	Emma Walker.
<i>Recorder,</i>	.	.	.	.	Mary S. Holmes.
<i>Conservator,</i>	.	.	.	.	Frank J. Keeley.

Respectfully submitted,

GEORGE VAUX, JR.,  
*Vice-Director.*

#### THE ENTOMOLOGICAL SECTION.

The regular monthly meetings have been held, except during July and August, with an attendance of 11 persons. The proceedings of the Sec-

tion have been published in the ENTOMOLOGICAL NEWS. Volume XVII of this journal has been completed with 404 pages and 15 plates. The number of authors contributing articles was 92. Two thousand two hundred and seventeen insects were added to the collection. Nearly all of these have been properly incorporated in the cabinets. The number added this year has not been as great as in the two previous years, but there have been a number of valuable types presented and many gaps filled. The more important additions were 460 insects of various orders from P. P. Calvert; 305 Pennsylvania and New Jersey specimens with accurate data; 175 from Arizona, H. A. Pilsbry; collections from Mexico and the Western States from Henry Skinner; a collection from Minnesota, Witmer Stone; a valuable lot of mosquitoes from New Jersey, H. L. Viereck; blind *Carabidæ* from caves in Europe, H. W. Wenzel, and a small collection from Panama from H. E. Wetherill. The efficiency of the metal case or cabinet has been further demonstrated during the past summer. Some insects kept in wooden cases were damaged by mould, owing to the excessive dampness and leakage of the temporary roof on the building. At a meeting held December 27, the following officers were elected to serve for 1907:

<i>Director,</i>	.	.	.	.	.	.	Philip Laurent.
<i>Vice-Director,</i>	.	.	.	.	.	.	H. W. Wenzel.
<i>Treasurer,</i>	.	.	.	.	.	.	E. T. Cresson.
<i>Recorder,</i>	.	.	.	.	.	.	Henry Skinner.
<i>Secretary,</i>	.	.	.	.	.	.	J. H. Ridings.
<i>Conservator,</i>	.	.	.	.	.	.	Henry Skinner.
<i>Publication Committee,</i>	.	.	.	.	.	.	{ J. H. Ridings,
							{ E. T. Cresson.

HENRY SKINNER,  
*Recorder.*

#### THE BOTANICAL SECTION.

During the past year the work of placing the specimens in species covers was begun, the work in more than half of the Herbarium being completed to date; the balance will be arranged in the early part of the coming year.

Additions to the Herbarium have numbered about 9,000 sheets; of these we have received as an exchange from the New York Botanical Gardens of about 1,100, including a set of 899 sheets of Dr. Abrams' Southern California plants, 87 sheets from Central America and the

West Indies and 100 *Characeæ* from the herbarium of the late Dr. T. F. Allen.

Specimens have been presented by Dr. Ida A. Keller and Messrs. Joseph Crawford, Charles S. Williamson, Bayard Long, Benjamin H. Smith, Stewardson Brown, Samuel S. Van Pelt, Dr. John W. Harshberger, Witmer Stone and the Philadelphia Botanical Club, from various parts of the eastern United States, amounting to about the same number.

The Section has purchased the following: From Mr. A. A. Heller, 2,400 Californian plants; from Dr. Charles H. Shaw, 545 British Columbian plants; from A. O. Garrett, 100 Utah plants; from Dr. J. W. Blankinship, 583 Montana plants.

Through the liberality of Mrs. Charles Schaeffer, the Conservator was enabled to spend the months of June and July collecting in the Canadian Rocky Mountains, in the provinces of Alberta and British Columbia. More than 4,000 specimens were made, covered by over 800 numbers. Several sets of duplicates of this collection will be available for exchange.

Valuable assistance has been rendered by Miss Ada Allen in mounting specimens and Francis W. Pennell in cataloging and arranging same.

The Philadelphia Botanical Club has continued to hold its meetings at the Academy during the year, about 1,800 sheets having been added to the local Herbarium, which has been assiduously cared for by Mr. Samuel S. Van Pelt, its curator.

At the annual meeting of the Botanical Section the following were elected to serve as its officers for the coming year:

<i>Director,</i>	.	.	.	.	.	Benjamin H. Smith.
<i>Vice-Director,</i>	.	.	.	.	.	Joseph Crawford.
<i>Recorder,</i>	.	.	.	.	.	Charles S. Williamson.
<i>Treasurer and Conservator,</i>	.	.	.	.	.	Stewardson Brown.

Respectfully submitted,

STEWARDSON BROWN,  
*Conservator.*

#### THE ORNITHOLOGICAL SECTION.

During the past year the remainder of the mounted birds, with the exception of the song birds and ostriches, were removed to the new building and placed in the cases provided for them, all of the specimens

being examined by the taxidermist and thoroughly cleansed. Three new cases to accommodate the groups above mentioned are now nearly completed, so that the arrangement of the new bird gallery will be finished at an early date.

Ten additional cases have been procured for the study series of skins, which is increasing at a rapid rate and is much consulted.

During the past year the Academy secured by purchase the collection of bird skins belonging to the late Canon Tristram, of Durham, England. This comprises about 7,000 specimens, representing some 3,000 species, the avifauna of British Guiana and of various insular groups being particularly well represented. Altogether it forms one of the most notable accessions that has been made to the Ornithological department and brings the total number of specimens in the Academy's collection close to 55,000, while it adds a large number of forms previously unrepresented in our series.

Several nests and sets of eggs have been added to the Delaware Valley Ornithological Club Collection, rendering this local exhibit still more nearly complete.

The Club has held its meetings in the building of the Academy during the year, and its members, as well as many visiting ornithologists, have studied the collections.

Mr. J. A. G. Rehn has rendered important service during the year in cataloguing and arranging the accessions.

At the annual meeting of the Section the following officers were elected:

<i>Director,</i>	.	.	.	.	.	Spencer Trotter, M.D.
<i>Vice-Director,</i>	.	.	.	.	.	George Spencer Morris.
<i>Secretary,</i>	.	.	.	.	.	William A. Shryock.
<i>Recorder,</i>	.	.	.	.	.	Stewardson Brown.
<i>Treasurer and Conservator,</i>	.	.	.	.	.	Witmer Stone.

WITMER STONE,  
*Conservator.*

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The annual election of Officers, Councillors and Members of the Committee on Accounts to serve during 1907 was held with the following result:

PRESIDENT, . . . . .	Samuel G. Dixon, M.D.
VICE-PRESIDENTS, . . . . .	Arthur Erwin Brown, Edwin G. Conklin, Ph.D.
RECORDING SECRETARY, . . . . .	Edward J. Nolan, M.D.
CORRESPONDING SECRETARY, . . . . .	J. Percy Moore, Ph.D.
TREASURER, . . . . .	George Vaux, Jr.
LIBRARIAN, . . . . .	Edward J. Nolan, M.D.
CURATORS, . . . . .	Arthur Erwin Brown, Samuel G. Dixon, M.D., Henry A. Pilsbry, Sc.D., William S. Vaux, Jr.
COUNCILLORS TO SERVE THREE YEARS, .	Dr. C. Newlin Peirce, Philip P. Calvert, Ph.D., Thomas Biddle, M.D., Frederick Prime.
COMMITTEE ON ACCOUNTS, . . . . .	Charles Morris, Samuel N. Rhoads, Dr. C. Newlin Peirce, John G. Rothermell, Howard Crawley, Ph.D.
COUNCILLOR TO SERVE AN UNEXPIRED TERM OF TWO YEARS, . . . . .	Henry Tucker, M.D.

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#### COUNCIL FOR 1907.

*Ex-officio.*—Samuel G. Dixon, M.D., Edwin G. Conklin, M.D., Arthur Erwin Brown, Edward J. Nolan, M.D., J. Percy Moore, Ph.D., George Vaux, Jr., Henry A. Pilsbry, Sc.D., and William S. Vaux, Jr.

*To serve Three Years.*—Dr. C. Newlin Peirce, Philip P. Calvert, Ph.D., Thomas Biddle, M.D., and Frederick Prime.

*To serve Two Years.*—Charles B. Penrose, M.D., Charles Morris, Benjamin Sharp, M.D., and Henry Tucker, M.D.

*To serve One Year.*—Thomas Fenton, M.D., Edwin S. Dixon, John Cadwalader and Horatio C. Wood, M.D.

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CURATOR OF MOLLUSCA, . . . . .	Henry A. Pilsbry, Sc.D.
ASSISTANT LIBRARIAN, . . . . .	William J. Fox.